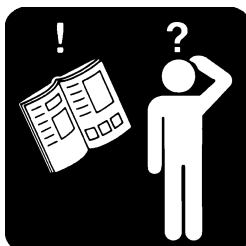




*Trixie Lift*TM



Operating Instructions



KTX05260-GB
Issue 5
Jan. 2003

The vertical and horizontal lines printed in the margins adjacent to the text/illustrations in these instructions are for ARJO use only and should be disregarded by the reader.

Some of the information contained in these instructions may become outdated, due to improvements made to the product in the future. If you have any questions regarding these instructions or your lifter, please contact ARJO or their approved distributor.

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Foreword

Thank you for purchasing ARJO equipment

Your *Trixie Lift* is part of a series of quality products designed especially for hospitals, nursing homes and other health care uses.

We are dedicated to serving your needs and providing the best products available along with training that will bring your staff maximum benefit from every ARJO product.

Please contact us if you have any questions about the operation or maintenance of your ARJO equipment.

The expected operational life of your ARJO lifter is 10 (ten) years from the date of manufacture, providing the following conditions are adhered to:-

The date of manufacture is shown in the first 6 digits of the serial number. On machines with 15 digit serial numbers the date is shown as e.g. GB1199 123456 123. (GB = country of manufacture, 11 = 11th week of that year and 99 = year 1999), the remaining digits, are the machine identification number. On machines with 12 digit serial numbers the date is shown as e.g. GB0342 123456 (GB = country of manufacture, 03 = year 2003 and 42 = 42nd week of that year). The remaining digits, are the machine identification number.

Conditions

- The unit is cared for and serviced in accordance with recommended, published “Operating and Product Care Instructions” and the “Preventive Maintenance Schedule”.
- The unit is maintained to the minimum requirements as published in the “Preventive Maintenance Schedule”.
- The servicing and product care, in accordance with ARJO requirements, must begin on first use of the unit by the customer.
- The equipment is used for its intended purpose only and is operated within the published limitations.
- Only ARJO designated spare parts should be used.

Consumables

The expected operational life for fabric slings and fabric stretchers is approximately 2 years from date of purchase. This life expectancy only applies if the slings and stretchers have been cleaned, maintained and inspected in accordance with the “ARJO Sling Information” documents, the “Operating and Product Care Instructions” and the “Preventive Maintenance Schedule”.

The expected life for other consumable products, such as batteries, fuses, lamps, gel cushions, filters,

seal kits, seat inserts, mattresses, safety belts, padded covers, straps and cords is dependent upon the care and usage of the equipment concerned. Consumables must be maintained in accordance with published “Operating and Product Care Instructions” and the “Preventive Maintenance Schedule”.

All references to the patient in these instructions refer to the person being lifted, and references to the attendant refer to the person who operates the *Trixie Lift*.

Techniques described in these instructions for fitting slings and lifting patients from a reclining position can be used for patients regardless of where they may be lying, on the bed or on the floor.

Similarly, lifting a patient from a chair employs the same techniques as when lifting a patient from a wheelchair or from a sitting position on the edge of a bed.

Note: A second attendant should be present to support the patient if the patient lacks a sense of balance or suffers vertigo or bouts of dizziness.

Safety Instructions

Symbols used adjacent to the text in these instructions:-



Warning: Means:- failure to understand and obey this warning may result in injury to you or to others.



Caution: Means:- failure to follow these instructions may cause damage to all or parts of the system or equipment.



Note: Means:- this is important information for the correct use of this system or equipment.

This product has been designed and manufactured to provide you with trouble free use, however, this product does contain components that with regular use are subject to wear.



Warning: SOME OF THESE PARTS ARE CRITICAL TO THE SAFE OPERATION OF THE LIFTER AND WILL NEED EXAMINING AND SERVICING ON A REGULAR BASIS AND MUST BE REPLACED WHEN NECESSARY.

See also “Care of your *Trixie Lift*” section.

Before using your *Trixie Lift*, familiarize yourself with the various parts and controls as illustrated in Fig. 1, and other illustrations; then, please read this manual thoroughly in its entirety. Information in the manual is crucial to the proper operation and maintenance of the equipment, and will help protect your product and ensure that the equipment performs to your satisfaction. Some of the information in this booklet is important for your safety and must be read and understood to help prevent possible injury. If there is anything in the manual that is confusing or difficult to understand, please call ARJO Ltd or their appointed distributor (the telephone number appears on the last page of this manual).



Warning: Use only ARJO slings that have been specifically designed for the *Trixie Lift*.

Patients with spasms can be lifted by *Trixie Lift*, but special attention should be paid to supporting the patient's legs.



Warning: It is advisable to familiarise yourself and understand the operation of the various controls and features of the *Trixie Lift* and ensure that any action or check specified is carried out before commencing to lift a patient.



Warning: This product is intended to be operated entirely by an attendant. No functions regarding the control of this product should be performed by the patient. A second attendant may be required with certain patients.

For the protection of patient and attendant, always ensure, at all times when using this equipment that no part of the patient's or attendant's body is allowed to come between parts of the lifter and/or attachments that join together or touch during operation.

Do not overload the *Trixie Lift* beyond the approved lifting capacity.

The *Trixie Lift* may be used on gentle slopes with caution.

Do not attempt to manually lift the complete lifter.

The *TrixieLift* has been designed as a mobile lifter for raising and transporting patients in hospitals and care facility environments and should only be used for this purpose.

To ensure maximum patient safety and comfort, do not allow the patient to hold onto the spreader bar.



Caution: Although manufactured to a high standard, the *Trixie Lift* and accessories should not be left for extended periods in humid or wet areas.

Do not under any circumstances spray the *Trixie lift* (excluding slings or ARJO approved wet environment equipment) with water e.g. when showering patients.

Product Description/Function

Parts referred in these instructions

mP1021/2

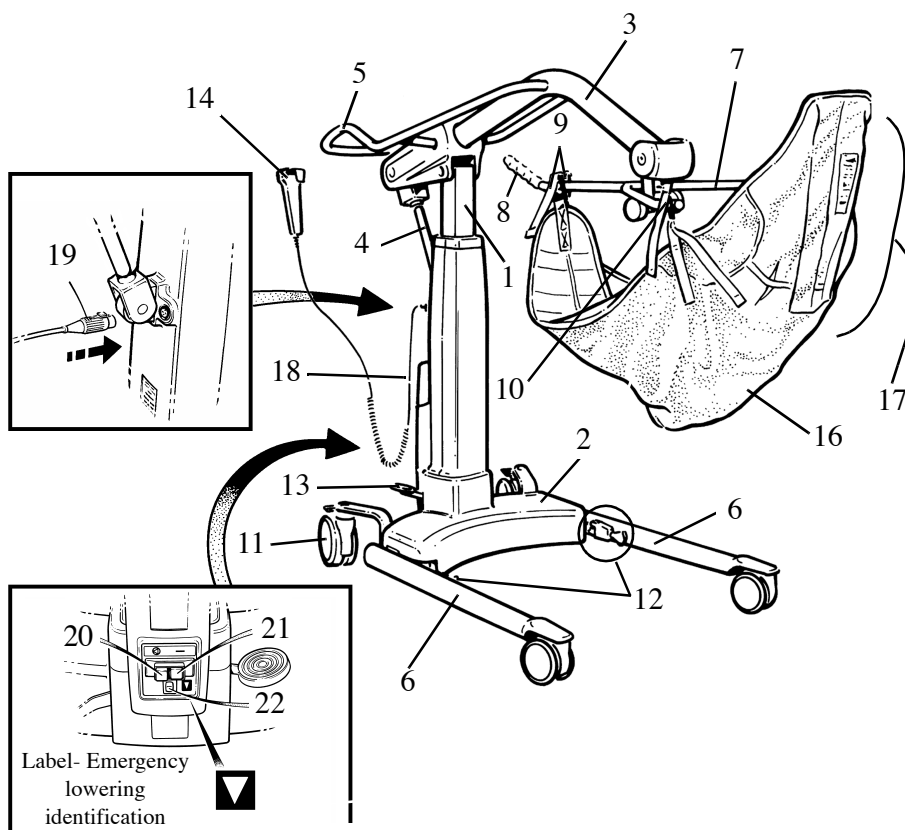


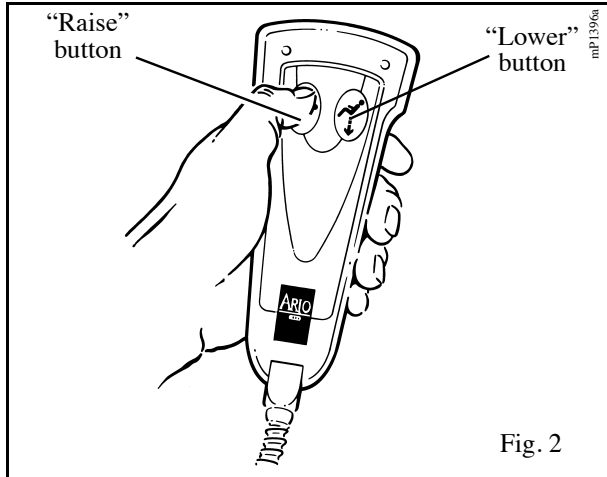
Fig. 1

Key

- | | |
|---|---|
| 1. Lifting actuator | 15. Indicator light (power on) |
| 2. Chassis | 16. Sling |
| 3. Jib | 17. Sling head support area |
| 4. Rear link | 18. Battery pack (rechargeable) |
| 5. Manoeuvring handle | 19. Handset cable connector plug |
| 6. Adjustable chassis legs | 20. Stop button |
| 7. Spreader bar | 21. Reset button |
| 8. Patient positioning handle | 22. System failure lower override switch. |
| 9. Sling attachment points (leg) | |
| 10. Sling attachment points (shoulder) | |
| 11. Braked castors | |
| 12. Release catch (for folding legs) Option Only | |
| 13. Foot pedals (for adjusting chassis leg width) | |
| 14. Lift/lower control handset | |

Product Description/Function

Control Handset:- (see fig. 2) For raising and lowering the spreader bar. Note: icons are printed on each button for quick reference.



If pressure is released from a button during the lifting/lowering function, motion will cease immediately.

Do not drop the handset into water, e.g.: bath etc. although if this does happen inadvertently no harm will come to patient or attendant. All powered functions of the *Trixie Lift* are controlled by the handset using low voltage electricity.

When not in use, the handset can be conveniently kept ready for use by hooking it on the spreader bar.

Emergency Stop Button (Red):- (See fig 1) If, in an emergency, you have to immediately stop any powered movement, (other than by releasing pressure on the control handset button), press the "emergency stop button", situated on the lower rear of the mast.

Once the emergency stop button has been operated, the green reset button will have to be re-engaged by pressing it in, before any powered movement can be utilised.

Reset button (green):- (See fig. 1) Adjacent to the emergency stop button. It is used to reset the 'power on' condition, once the emergency stop button has been operated, also used to reset if the automatic overload fuse has operated, indicated by the reset button projecting outwards slightly. If the fuse has operated and once reset, operates again, withdraw the lifter from use and contact ARJO Service department or their appointed distributor.

System Failure Lower Override:- (See fig. 1) This can be used in the event of main control failure. In the unlikely event that the control handset fails to operate the lifter, with a patient still supported by the sling, provision for lowering has

been made, using the "System Failure Lower Override switch", situated on the lower rear of the mast, a green and white identification label is positioned near the switch, for quick and easy recognition. If pressure is released from the switch during use, lowering will stop.



Warning: The Lower Override switch will only operate while the green reset button is in. Only use this switch in an emergency, do not use it for normal function lowering.

Automatic cut out:- (not an operator control but a function built into the lifter electronics)

If the lifter is inadvertently overloaded (trying to lift a patient heavier than permitted), an automatic 'cut out' operates to prevent the lifter lifting a load in excess of one and a half times the maximum rated load; this will stop the lift motion automatically.

If this occurs, when pressure is released from the lift button on the handset the electronics will, after a short delay, reset and enable the patient to be lowered only by pressing the lower button. Remove the patient from the lifter

Adjustable width chassis legs:- (See fig. 6)

If required, the chassis legs may be opened to go around a chair or other obstruction. Both legs open simultaneously, by applying foot pressure on the right-hand control pedal. There are five chassis leg positions between open and closed, any one position may be selected simply by releasing foot pressure at the required position. Closing the legs is achieved by foot pressure on the left-hand control pedal. Always transport the *Trixie Lift* with the chassis legs in the narrow (closed) position.

Spreader Bar:- (see fig. 1) The spreader bar is a suspended lifting frame that supports the patient sling.

The flat four-point spreader bar is used for ward or room lifting and is fitted with lugs to only accept ARJO slings fitted with attachment clips.

Product Description/Function

Slings

- Note:** The clip attachment slings will support 190kg (420lbs)

All slings are coded for size by having different coloured edge binding or attachment strap colouring as follows:

Grey - Extra Extra small - XXS

Brown - Extra small - XS

Red - Small - S

Yellow - Medium - M

Green - Large - L

Blue - Extra Large - XL

A circular label is fitted to the jib for quick colour to size reference for slings (see “Labels” section).

The slings offer the option of a headrest if it is considered necessary for a particular patient. A range of special purpose slings are available as accessories, for these or for special size slings, contact your ARJO representative.



Warning: Only use ARJO supplied slings that are designed to be used with *Trixie Lift*. The sling profiles illustrated (see fig. 3) will help to identify the various ARJO slings available.

If ARJO *Flites* (disposable slings) are to be used with the *Trixie Lift*, then always refer to the separate operating instructions for ARJO *Flites*, (literature reference part No. MAX01720), as well as these instructions before using.

ARJO clip attachment slings with head support have two pockets at the head section which should contain plastic reinforcement inserts during use. Always ensure these reinforcement inserts have been fitted into the sling pockets before using the sling.

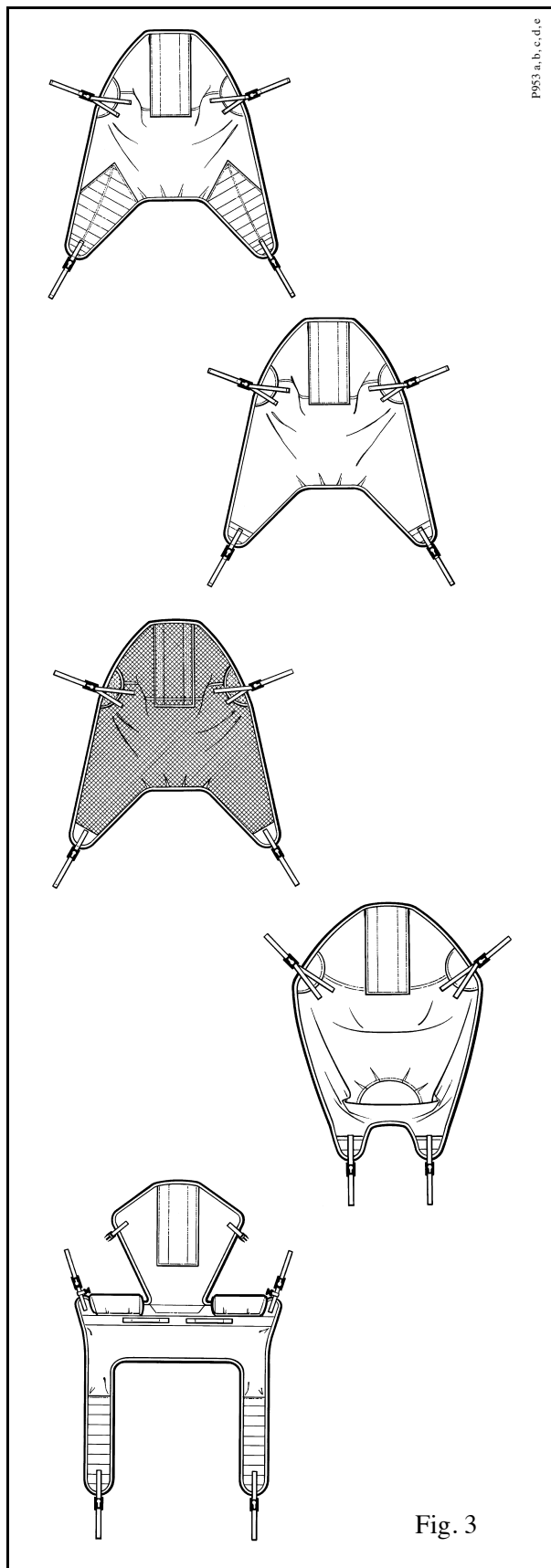


Fig. 3

Using your Trixie Lift



Warning: Before attaching the sling, ensure the spreader bar is correctly positioned, as shown in fig. 4, and also as shown on the label attached to the spreader bar.

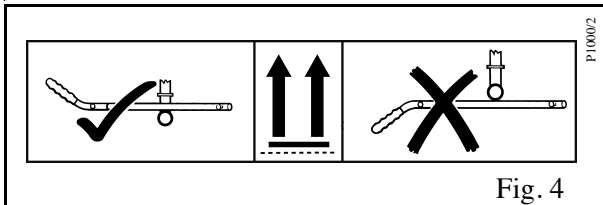


Fig. 4

Unpack the battery pack supplied, and fully charge it as described in the “Battery Charging” section.

Your Trixie Lift is now ready for use.

Trixie Lift - with folding legs(option only)

If your Trixie Lift has been supplied with folding legs, all other references to the product described in these instructions still apply with the addition of the following preparation instructions and the storage and transportation information described later in these instructions.



Warning: Check that the leg release catches are in the fully locked position, confirmed by checking that the red arrow on the sliding catch is aligned with the green area of the adjacent label attached to each leg. (See fig. 5).

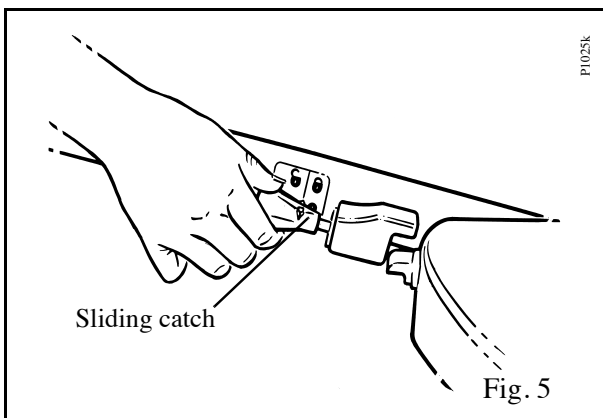


Fig. 5

Ensure the jib is adjusted from its folded transportation position into its working position, described as follows:-

To adjust the jib to its working position, turn the outer tube of the rear link fully clockwise. This will shorten the link, (see fig. 6), and position the jib correctly for operation.

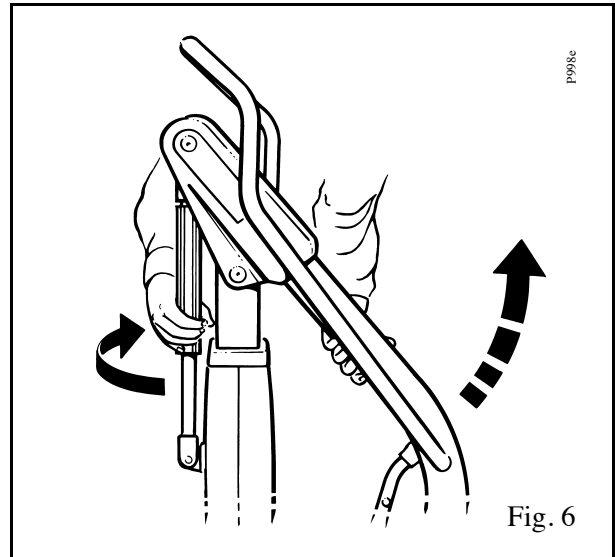


Fig. 6

Using your Trixie Lift

Before Approaching the Patient

The attendant should always tell the patient what they are going to do, and have the correct size sling ready. Where possible, always approach the patient from the front.

To ensure maximum patient comfort, do not allow the patient to hold onto the spreader bar.

If required, the chassis legs may be opened to go around a chair. The legs are opened by foot pressure on the right hand foot pedal. (See fig. 7).

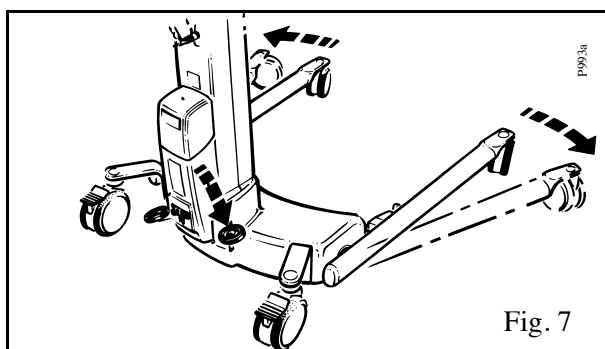


Fig. 7

To Lift from a Chair

Place the sling around the patient so that the base of his/her spine is covered, and the head support area is behind the head. Pull each leg piece under the thigh so that it emerges on the inside of the thigh. (See fig. 8).

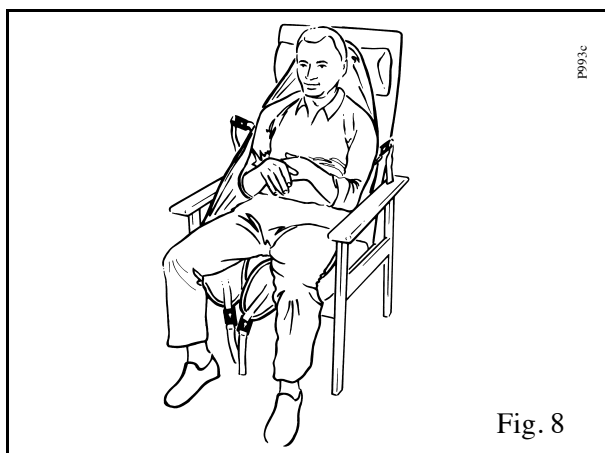


Fig. 8

Ensure the positioning handle on the spreader bar is facing away from the patient, and that the wide part of the spreader bar is at, or just below shoulder level. (See fig. 7).

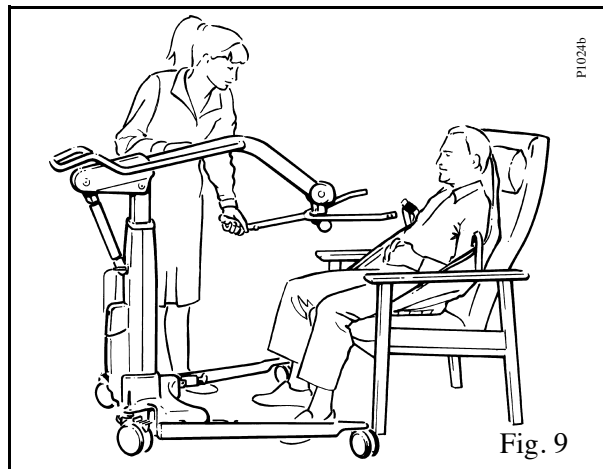
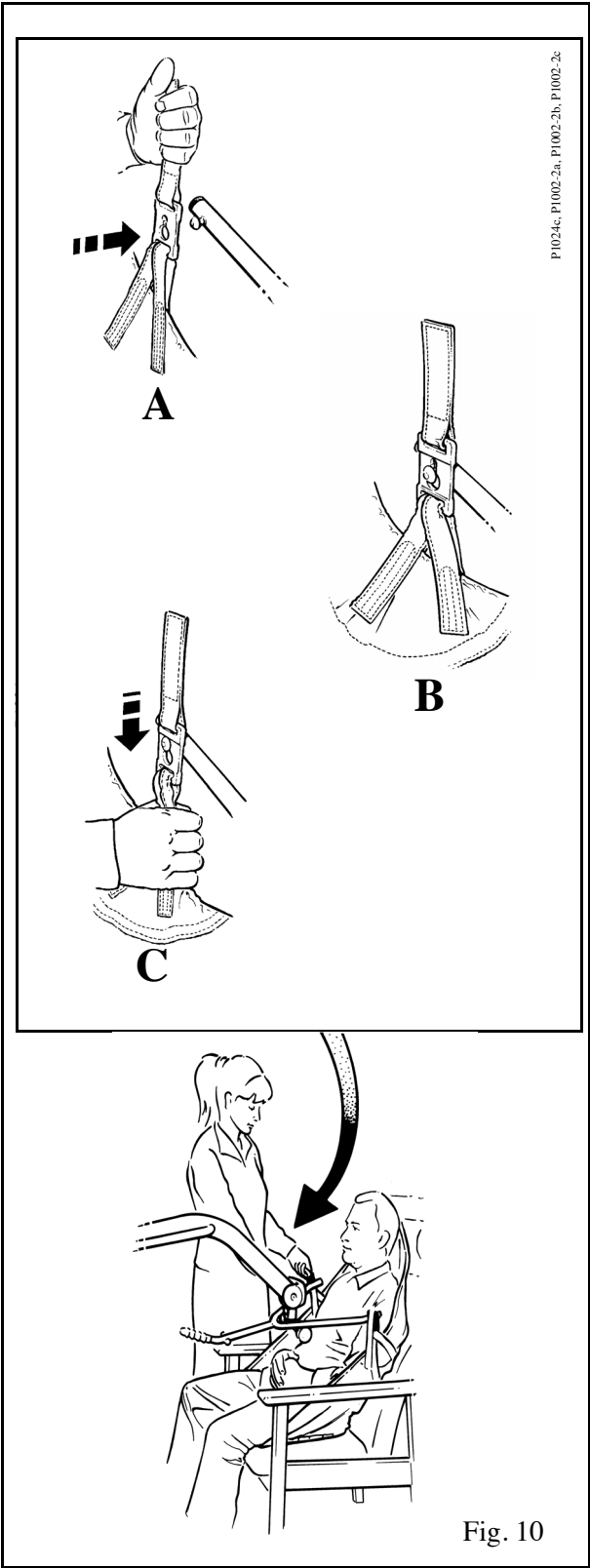


Fig. 9

Ensure that the Trixie Lift is close enough to be able to attach the shoulder clips of the sling to the spreader bar. To accomplish this you may have to put the patients feet on, or over the chassis.

Once the Trixie Lift is in position, attach the shoulder strap attachment clips to the pegs on the spreader bar. (See fig. 10).

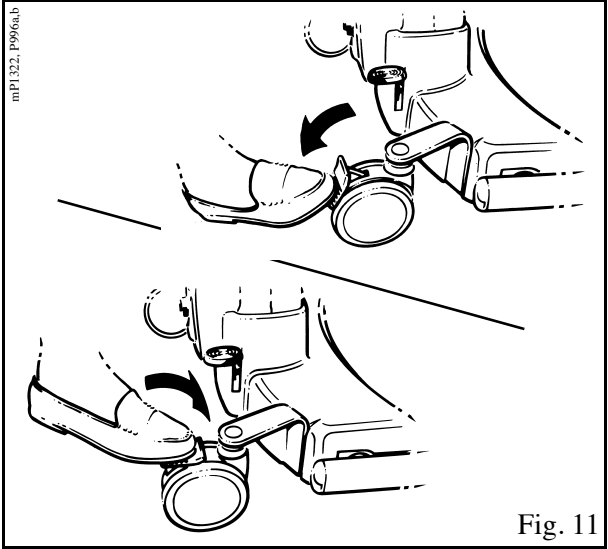
Using your Trixie Lift



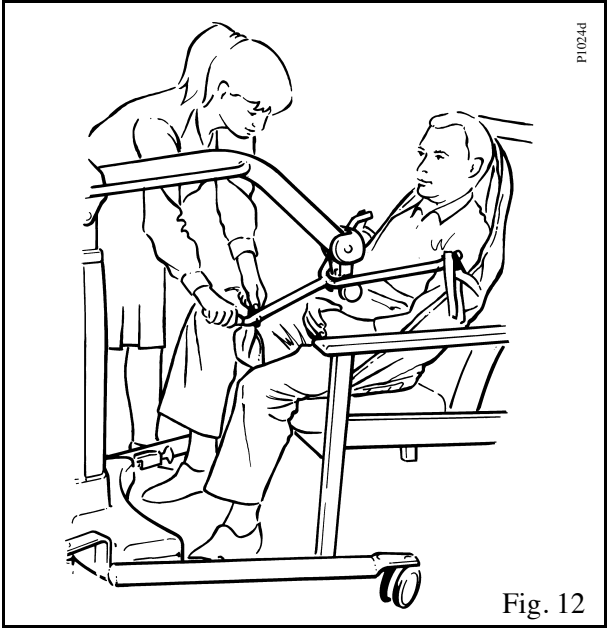
It is not essential to apply the chassis brakes at this

stage, as the position of the patient will adjust to his/her own centre of gravity when lifted.

- Note:** The chassis rear castors have brakes which can be foot operated when required, (see fig. 11), for example, when leaving the patient unattended, or to keep the Trixie Lift in position.



Press down on the positioning handle of the spreader bar and attach the leg strap attachment clips. (See fig. 12, and inset to fig. 10).



If necessary, lower the spreader bar using the handset control, being careful not to lower it onto the patient, although if this should happen inadvertently, there is a built-in safety device which

Using your Trixie Lift

will prevent any further downwards movement.



Warning: Do not continue to press the handset lowering button.

- **Note:** If the handset button is released during lifting or lowering, powered motion will stop immediately.



Warning: IMPORTANT: Always check that all the sling attachment clips are fully in position before and during the commencement of the lifting cycle, and in tension as the patient's weight is gradually taken up.



Warning: Before using the Trixie Lift always ensure the leg release catches are fully locked. When the Trixie Lift is in use, ensure the release catches are kept clear of any obstructions that could inadvertently operate the catches.

Raise the patient by operating the handset control, and at the same time, lift the positioning handle until the patient is reclined in the sling - the head support will now come into use. (See fig. 13). This is the most comfortable position for transportation, as it reduces pressure on the thighs. The angle of recline can be adjusted for increased comfort if the patient is restless.

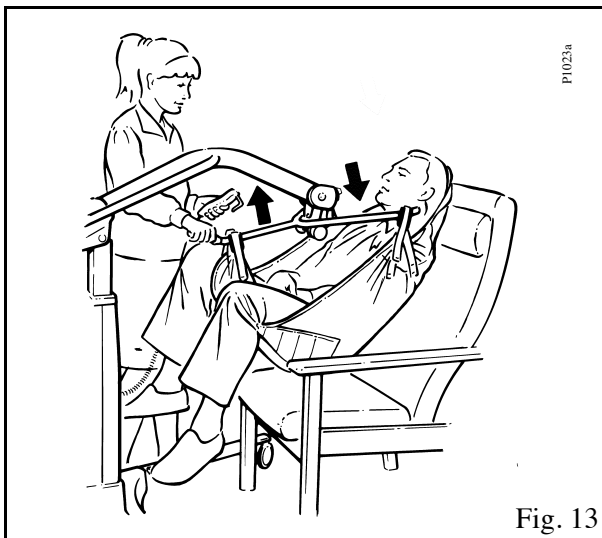


Fig. 13



Fig. 14

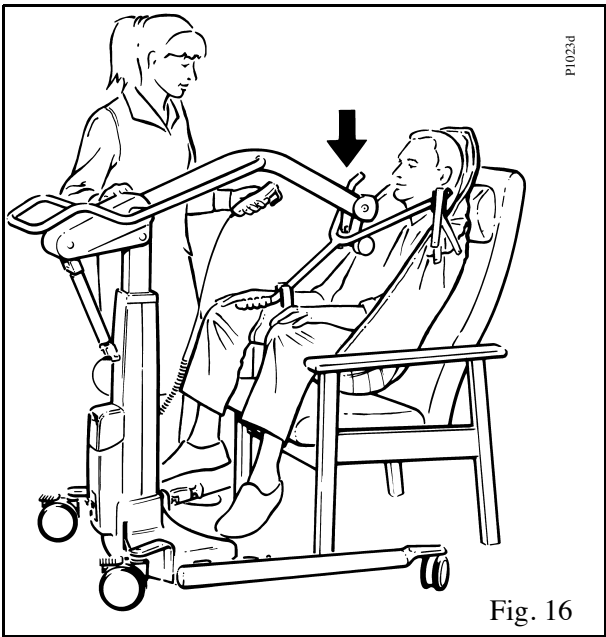
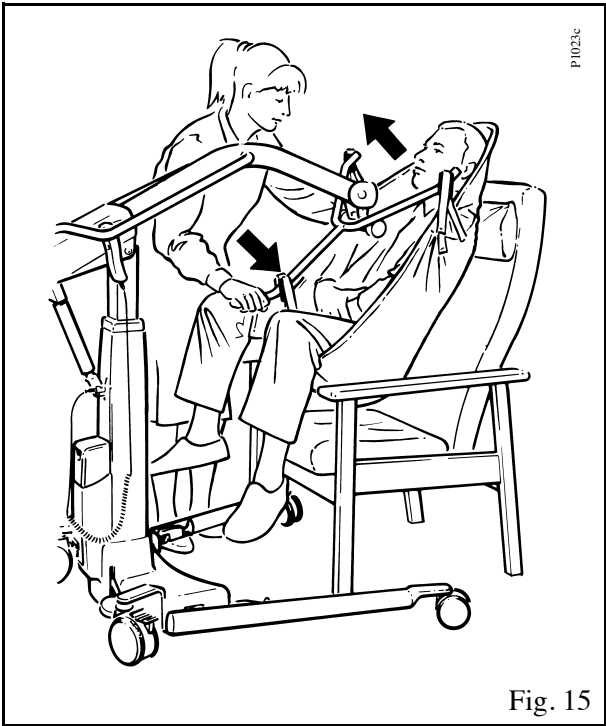
Before transportation, turn the patient to face the attendant at approximately normal chair height. (See fig. 15). This gives confidence and dignity and also improves the Trixie Lift mobility.

Remember to release the brakes, if they have been applied, before attempting to transport the patient.



Warning: When lowering the patient back into a chair - or when transferring from bed to chair - push down on the positioning handle to put the patient into a good sitting position. (See figs. 15 & 16). This avoids further lifting effort. Take care not to push down too quickly, as this may jerk the patient's head forward.

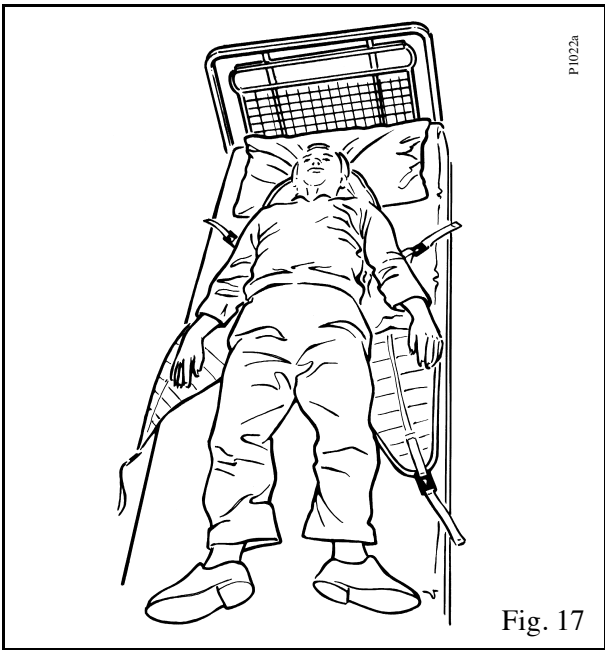
Using your Trixie Lift



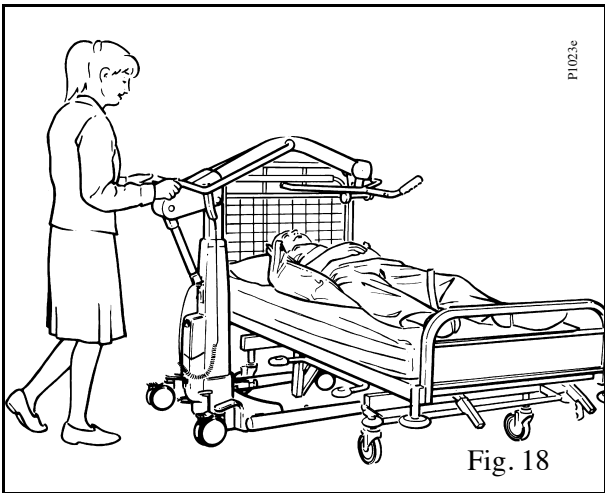
To Lift From A Bed

Before lifting a person from a bed, ensure there is sufficient clearance underneath the bed to accommodate the Trixie Lift chassis legs.

Roll the patient onto the sling, (see fig. 17), or put the patient into a sitting posture to position the sling, as detailed in the section “*To Lift From a Chair*”.



Approach the bed with the open side of the spreader bar towards the patient’s head. (See fig. 18).



Using your Trixie Lift

- **Note:** Using the adjustable width chassis, it is possible to make adjustments to chassis leg widths to assist manoeuvrability around obstructions, for example, bed legs

Position the Trixie Lift so that the spreader bar is just above, and centrally situated over the patient.

Using the positioning handle, tilt the spreader bar until the shoulder attachment points can be connected to the sling shoulder strap attachment clips. (See fig.19, and inset to fig. 10).

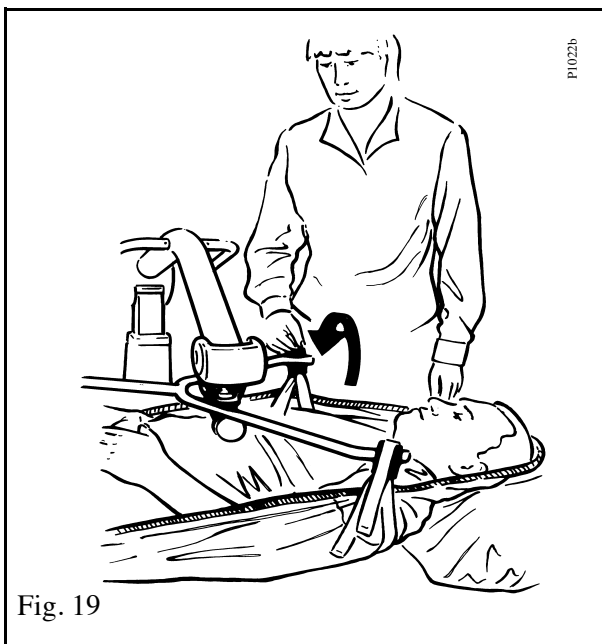


Fig. 19

Press down on the positioning handle until connection of the sling leg pieces is possible. (See fig. 20 and inset to fig 8). This may involve lifting one leg at a time to connect up. You may need to lower the spreader bar a little more, using the handset control.

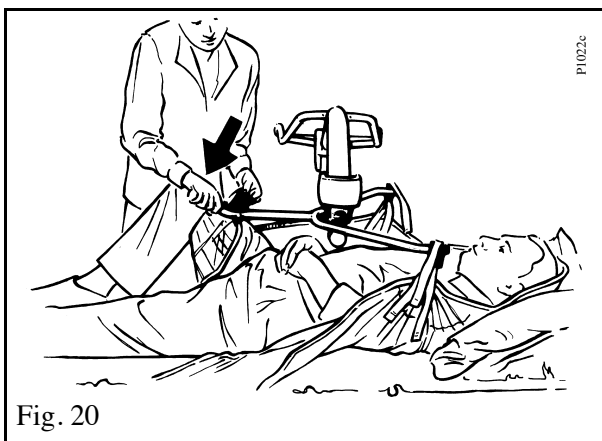


Fig. 20

6. When lifting from the bed, some attendants prefer to connect the leg pieces first. This particularly applies to patients with large thighs. In this case, raise the hip and knee into maximum flexion, and attach the leg strap attachment clips, then tilt the spreader bar towards the shoulders for connection.



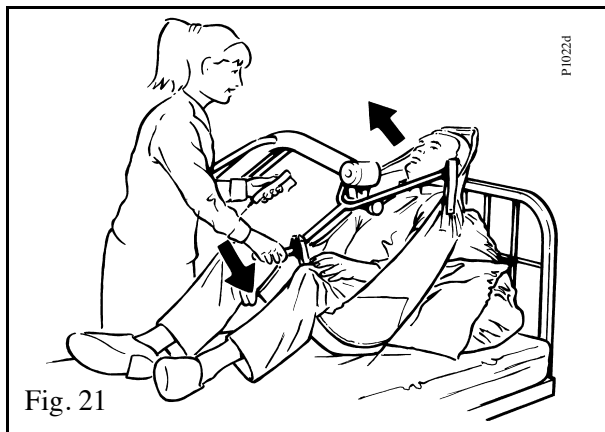
Warning: IMPORTANT: Always check that all the sling attachment clips are fully in position before and during the commencement of the lifting cycle, and in tension as the patient's weight is gradually taken up.



Warning: Before using the Trixie Lift always ensure the leg release catches are fully locked. When the Trixie Lift is in use, ensure the release catches are kept clear of any obstructions that could inadvertently operate the catches.

Lift the patient using the handset control, and adjust to a comfortable position for transfer. (See fig. 21). The specially designed sling, together with its' integral head support enables one person to carry out the complete lifting function without additional help.

Using your Trixie Lift



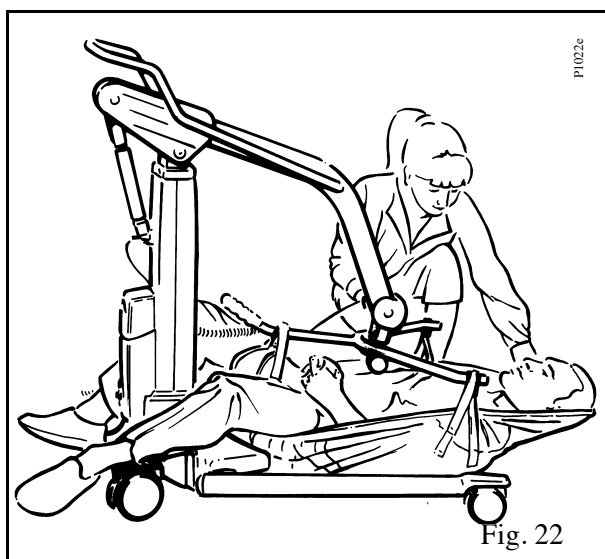
If returning the patient to a bed, move into the desired position above the bed, adjusting the sling position as necessary, and then lower using the handset control. Only when the patient's body weight is fully supported by the bed may the sling leg connection clips be detached, followed by the shoulder connections.

Move the Trixie Lift away before removing the sling from under the patient.

If transferring the patient to a chair refer to the section "To Lift from a Chair".

To Lift from the Floor

Put the sling around the patient as before, by using the rolling or sitting up method. Depending on circumstances, space and/or position of patient etc. approach the patient with the open part of the chassis. Open the chassis legs if necessary, and lift the patient's legs over the chassis as shown in figure 22.



The patient's head and shoulders could be raised on pillows for comfort, if required, but this is not essential when connecting up the sling to the spreader bar.

With the open part of the spreader bar pointing down towards the shoulders, attach the shoulder strap attachment clips, as previously shown in figure 17, and inset to fig. 8.

Once connected, push down on the positioning handle in order to connect the leg strap attachment clips as previously shown in figure 18. This will have the effect of raising the patient's head and shoulders slightly.



Warning: IMPORTANT: Always check that all the sling attachment clips are fully in position before and during the commencement of the lifting cycle, and in tension as the patient's weight is gradually taken up.



Warning: If your Trixie Lift has been fitted with folding legs (option only) then before using the Trixie Lift always ensure the leg release catches are fully locked. When the Trixie Lift is in use, ensure the release catches are kept clear of any obstructions that could inadvertently operate the catches.

When lifting from the floor, some attendants prefer to connect the leg pieces first. This in particular applies to the very large patient with large thighs. In this case, raise the hip and knee into maximum flexion, and attach the leg straps first.

Tilt the spreader bar towards the shoulders to enable the shoulder straps to be connected.

When all the straps have been properly connected, raise the patient from the floor in a semi-recumbent position. Supporting the head can be comfortable and reassuring for the patient. (See fig. 22).

Once raised from the floor, ensure the patient's legs are clear of the chassis before continuing to lift. (See fig. 23).

Using your Trixie Lift

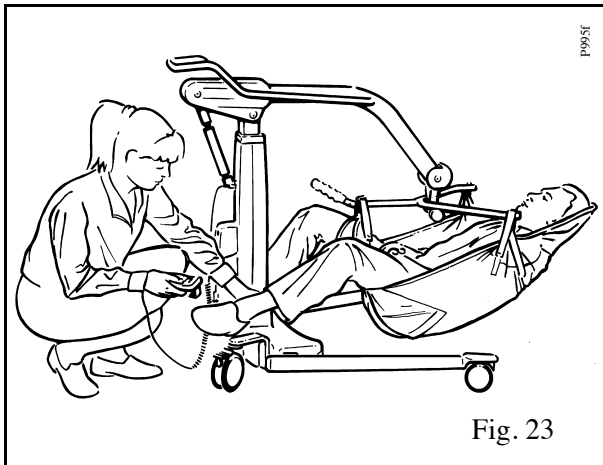


Fig. 23

The leg sections of the sling will tend to be fairly high in the crotch, so straighten them out for added comfort. The patient may be positioned in a chair, or placed onto a bed.

If the patient is prone to extensor spasm, he/she may be lifted by the Trixie Lift, but special attention should be paid to supporting the legs during the early part of the lift.

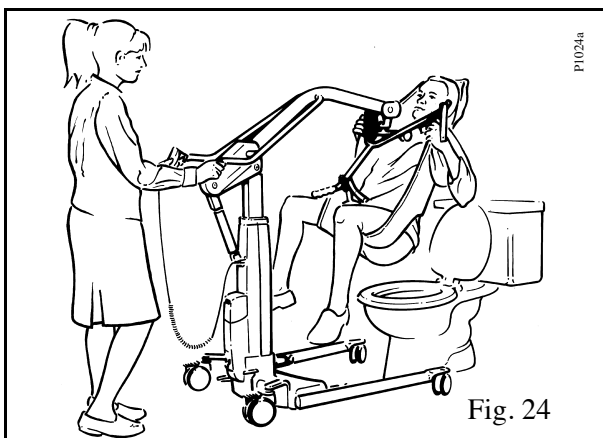


Fig. 24

Transportation of a patient is possible with the chassis legs open or closed, but manoeuvrability will be easier, especially through doorways, with the chassis legs closed. The patient should be positioned facing the attendant. (See fig. 24).

Apply the chassis brakes if leaving the patient unattended. (See fig. 9)

System Failure Lower override

In the unlikely event that the handset control fails to lower the jib, lowering to a suitable recovery height is possible by pressing the system failure lower override switch, situated at the bottom rear of the

battery box, a green and white identification label is situated near the switch for quick and easy recognition. (see fig. 25).

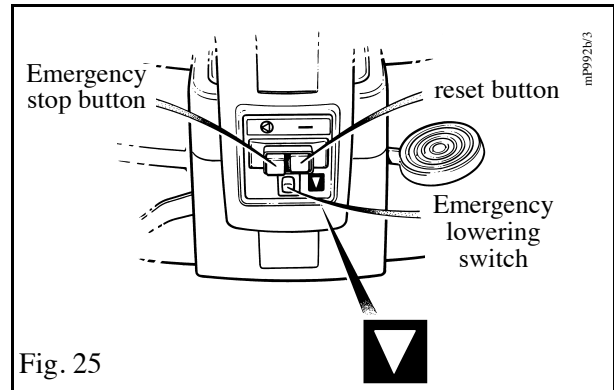


Fig. 25

If pressure is released from the switch during use, lowering will stop.



Warning: The emergency lowering switch will only operate while the green reset button is in. The automatic stop function of the jib will not operate while using the emergency lowering button, so caution must be exercised if this facility has to be used.



Warning: If the emergency lowering switch has to be operated, the hoist must then be withdrawn from use immediately and the ARJO Service Department or their appointed distributor contacted.

Emergency Stop Button

If, in an emergency, you have to immediately stop any powered movement, (other than by releasing pressure on the control handset button), press the "emergency stop button", situated at the rear bottom of the battery compartment. (See figs. 1 & 25).

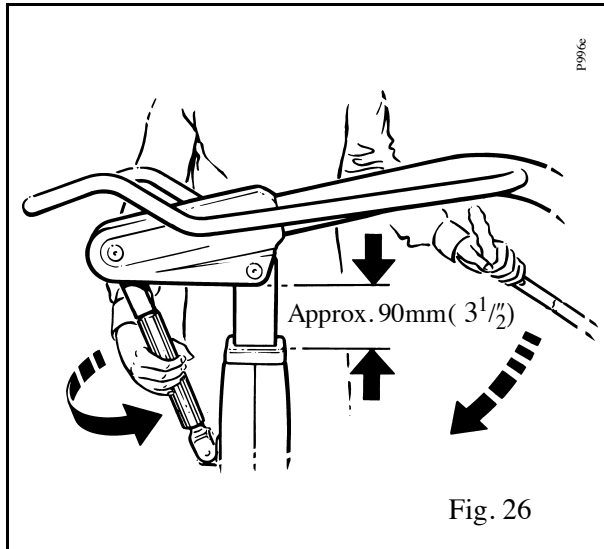
Once the emergency stop button has been operated, the green reset button will have to be re-engaged by pressing it in, before any powered movement can be utilised.

Storage and Transportation (Only for Trixie Lift with optional folding chassis legs)

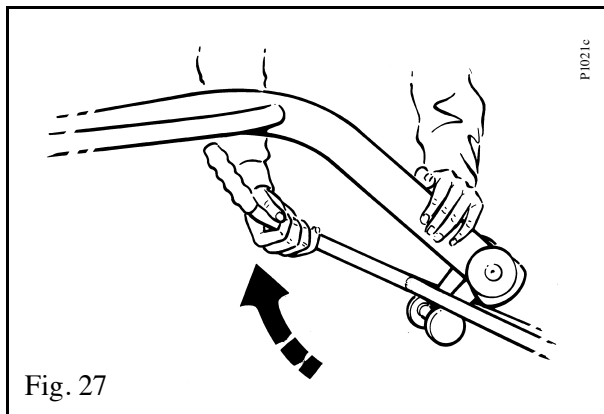
The Trixie Lift (if applicable) can be folded easily for storage or transportation, as follows:-

Remove the sling from the spreader bar.

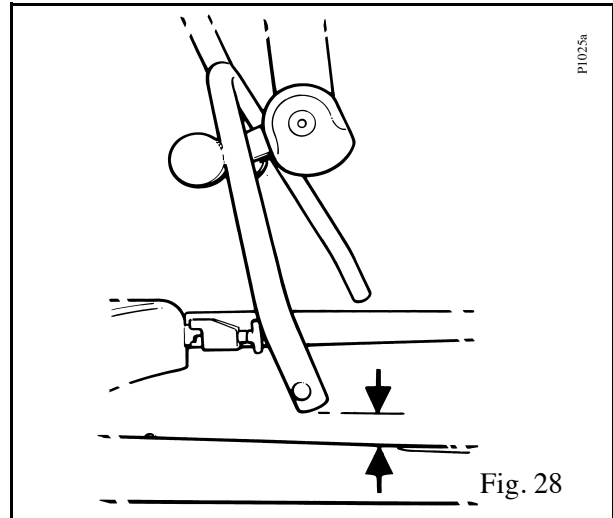
Using the handset, position the actuator so that the distance between the covers is approximately 90mm ($3\frac{1}{2}$ "). (See fig. 26). This is the optimum position, but the Trixie Lift can be folded with the actuator in any position, if desired.



Position the spreader bar as shown in fig. 28, so that the handle can just rotate under the jib.

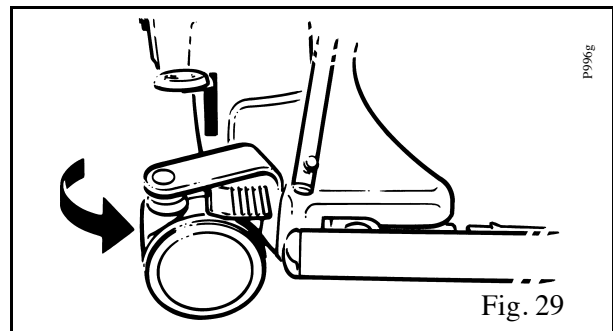


Turn the outer tube of the rear link, (see fig. 27), whilst lightly supporting the jib. The link will extend, and the jib will lower. Continue until the spreader bar is just above the chassis legs, then stop. (See fig. 28).

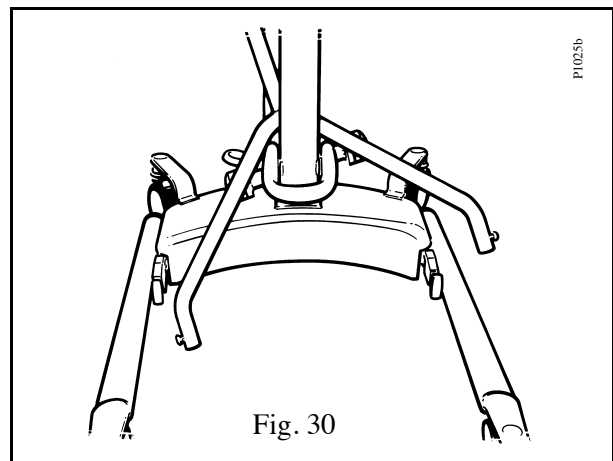


- Note:** Ensure that the floor area is reasonably level, during the following operations for greater hoist stability.

Ensure the brakes are off, then rotate the rear castors, to face inwards. (See fig. 29). This will help with mobility.

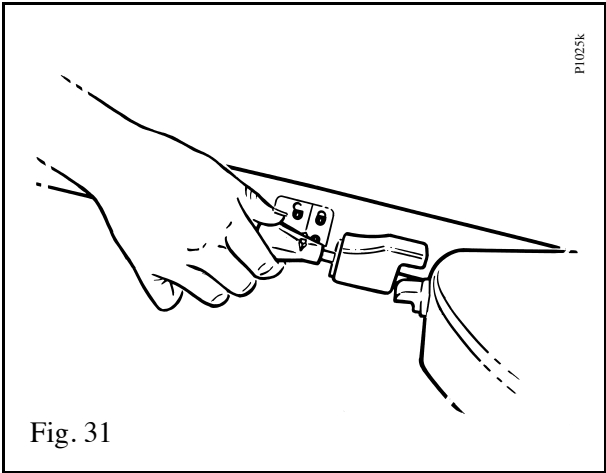


Swing the spreader bar clear of one of the chassis legs. (See fig. 30).

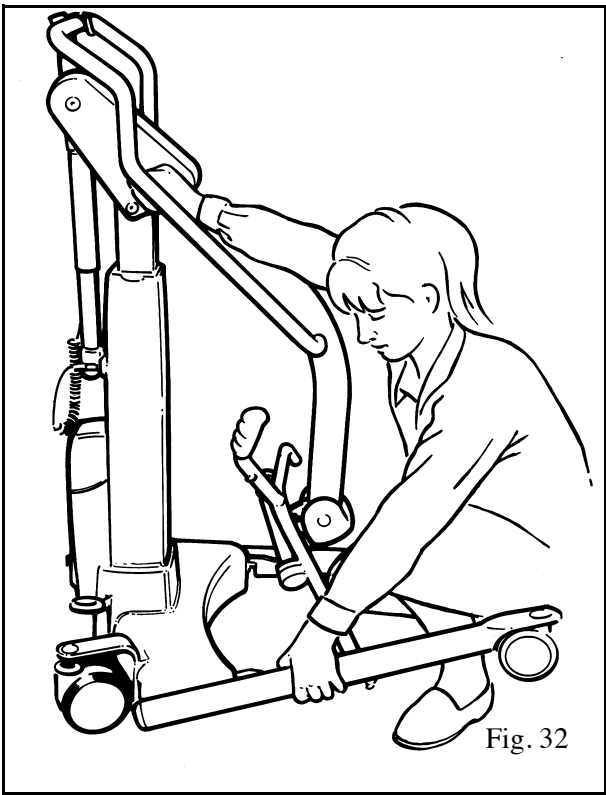


Storage and Transportation

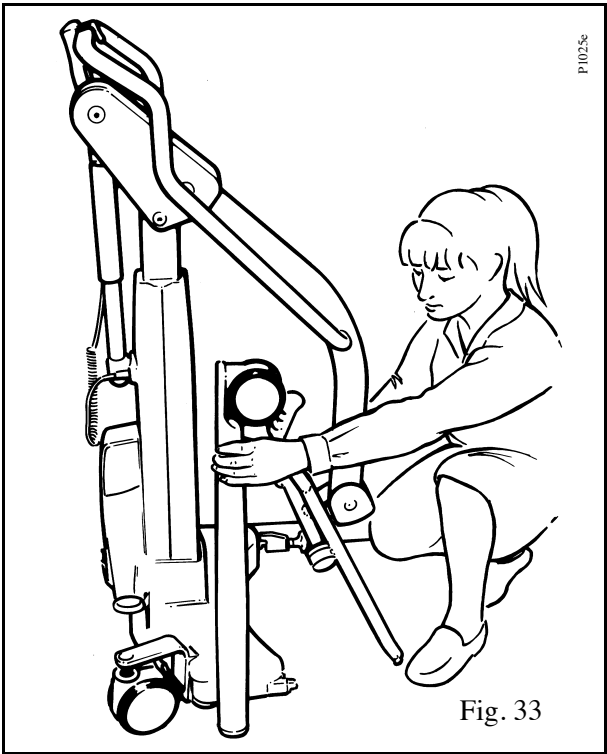
Now operate one of the leg release catches. (See fig. 31).



- Note:** It may be helpful to tilt the machine back slightly and support it, taking the weight off the leg, and the catch will release more easily. (See fig. 32)

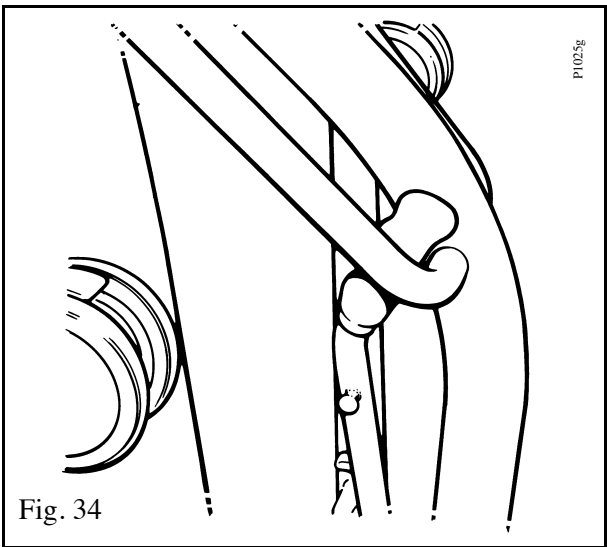


Pivot the leg upwards until it is vertical. (See fig. 31).



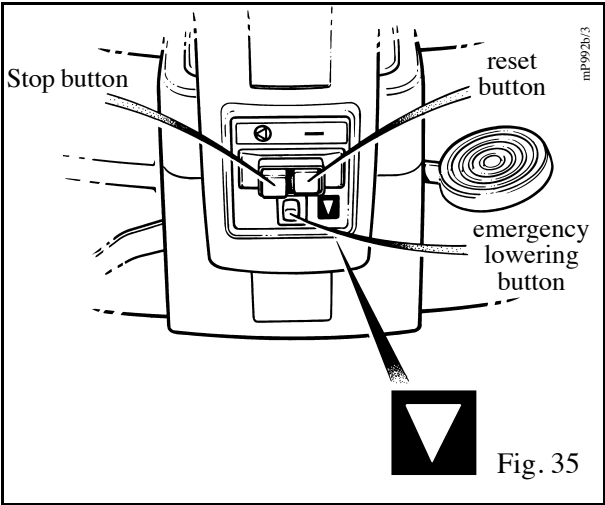
Swivel the spreader bar clear, and repeat the operation for the opposite leg, (again, taking weight off the leg by tilting the machine slightly back).

Position the handle of the spreader bar to ensure that it does not swivel. (See fig. 33). Rotate the rear link again to lower the spreader bar until it just touches the chassis cover.

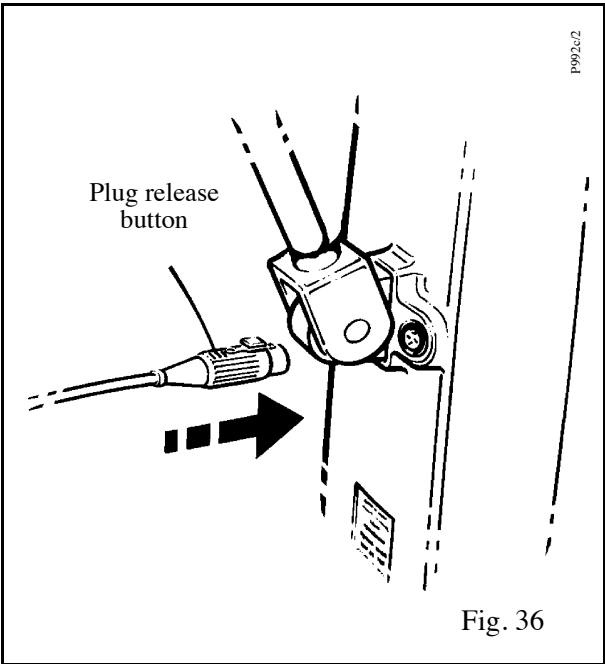


Press the stop button. (See fig. 35).

Storage and Transportation

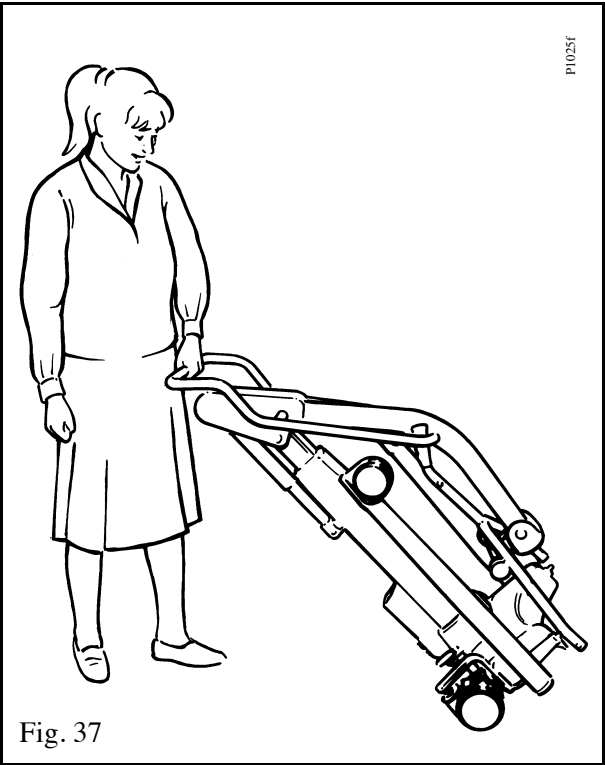


Remove the handset cable plug from its socket by pressing the release button, (see fig. 36), and then pull the plug out.




Remove the battery pack, if you wish, either to make the total weight lighter, or to put the battery pack on charge.

The Trixie Lift will freestand, or can be tilted and wheeled away. (See fig. 37).



Keep the handset, sling and battery safe, and ready for next use.



Caution: If transporting the Trixie Lift in a vehicle, always remove the battery pack before stowage, and do not rest the chassis on the switches.

For reassembly, reverse the above procedures, then refer to section - "Preparation for use"

Lifter battery charging



Warning: The charger is for indoor use **ONLY**.

ONLY use the charger unit in a dry environment, do **NOT** use it in the patient environment.

Do **NOT** expose the charger unit or battery pack to rain or spray and do **NOT** immerse in water.

ONLY use the ARJO batteries that are supplied to be used with the *Trixie Lift*.

The battery charger is for use **ONLY** with ARJO supplied batteries that are to be used with the *Trixie Lift*.

The battery charger is for use with sealed lead acid batteries **ONLY**.

Under **NO** circumstances should the charger be used to attempt to recharge non-rechargeable batteries.

Do **NOT** attempt to open or tamper with the charger unit in any way, for any repair the charger must be sent to the manufacturer

The mains electricity socket must be easily accessible. should a faulty condition occur switch off and remove the connection plug from the socket.

ONLY use ARJO components that have been specifically designed for the purpose when charging batteries.

To avoid overheating, the charger must **NOT** be covered whilst in use.

NO smoking or naked flames in battery vicinity.

Do **NOT** expose the charger unit to dust.

Do **NOT** charge batteries in a sealed container.

Do **NOT** place batteries near, or dispose of, in a fire.

Do **NOT** use the charger in the presence of inflammable gases e.g anaesthetic gases.

Do **NOT** short circuit a battery.

Do **NOT** store batteries at temperatures in excess of 60°C (140°F).

Do **NOT** crush, puncture, open, dismantle or otherwise mechanically interfere with batteries.

Should the battery casing become cracked, and electrolyte come into contact with skin or clothing, wash immediately with water.

If the electrolyte contacts the eyes, wash immediately with copious amounts of water, and seek medical attention.

When disposing of batteries, contact the appropriate local authority for advice.



Warning: The abbreviation “Pb” shown adjacent to the recycling and trash bin symbols on the battery pack label is the element symbol for lead, and indicates that the battery contains lead and therefore should not be disposed of in the normal manner but must be recycled.

- **Note:** *Ensure the battery is removed from the lifter if it is anticipated it will not be used for a prolonged period of time.*

Recharging the battery pack before it reaches a low state of battery charge or certainly totally discharged will prolong its life.

The battery pack, (when fully charged), will enable the *Trixie Lift* to achieve approximately 20 lifts, with an “average weight” patient.



Caution: The battery pack incorporates an indicator light, situated and recessed into the top of the pack cover. This light will flash intermittently when the battery needs recharging, and, although a small number of lifts are possible when the light flashes, it is a signal that the pack needs to be charged as soon as possible.

If the indicator light remains on, this signals that the battery pack is discharged and not capable of a lifting cycle.

- **Note:** *The “continuous” display of the indicator light will remain for approximately ten minutes. After this time it will automatically switch off. The condition of a fitted battery can only then be determined by pressing a function button on the handset.*

To ensure the *Trixie Lift* is always ready for use, it is recommended that a freshly charged battery is always available. This is achieved by having a second battery available, and keeping one on charge while the other is in use.

Lifter battery Charging

When the battery state indicator light flashes, complete your lift/lower cycle, then remove the battery pack by pulling upwards, and away from the Trixie Lift. Place the battery pack on charge as follows:-



Caution: Ensure the mains power to the charger unit is switched off before connecting the battery.



Warning: Always ensure the cable connection plugs that fit into the charger and into the battery are fully inserted before switching on mains electricity.

- **Note:** The cable that connects the main electricity supply to the charger is supplied as a detachable item. If using the battery charger for the first time or if the cable has been unplugged from the charger, connect the cable fully into the charger before connecting to the mains electrical.

Take the battery pack to the battery charger unit and ensure the battery is positioned securely then insert the battery connector from the charger into the corresponding connector in the back of the battery (see fig. 38), switch on mains power. An orange light will be displayed on the charger unit when the battery is totally discharged. This will change to a yellow light as the battery approaches full charge capacity, finally changing to a green light when the battery is fully charged.

A discharged battery should be left approximately 8 hours to totally recharge (See also ARJO Battery Care document).



Warning: Hold the pack firmly to ensure it does not drop and become damaged, or cause personal injury.

- **Note:** The battery pack may be left connected to the charger unit when it is fully charged without being damaged by overcharging, this will also ensure the battery is kept fully charged.

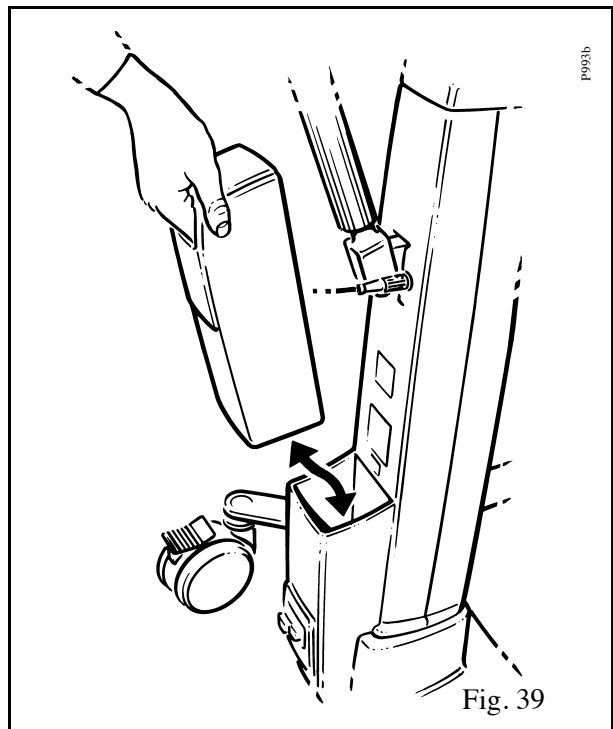
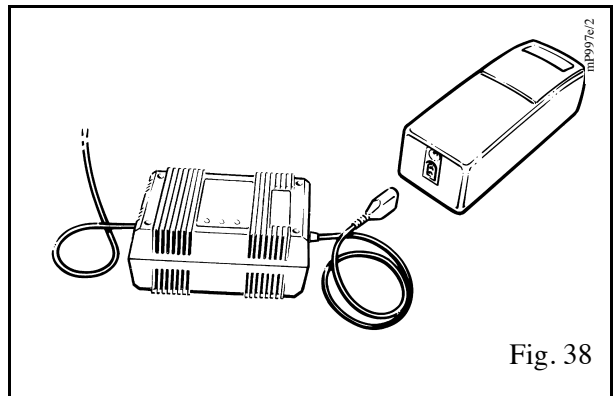


Caution: Always disconnect the mains supply before disconnecting the battery charger unit.

When the battery pack is fully charged, disconnect the mains power, remove the battery pack from the charger, and insert it back into the *Trixie Lift* battery position, electrical connection is made automatically.

Ensure the green reset button (situated on the lower rear of the mast) is pressed in (see fig. 1 and 25).

The *Trixie Lift* is now ready for use.



(See inset on fig. 1).

Care of your *Trixie Lift*

How often the following actions are taken depends on how often the equipment is used.

Unless otherwise stated, before each and every use follow the cleaning, care and inspection procedures described in this section.

Sling cleaning and care:-



Warning: The slings should be checked before and after using with each patient and if necessary washed according to instructions on the sling. This is especially important when using the same equipment for another patient, to minimise the risk of cross infection. Also refer to sling instruction sheet MAX.01510.INT.

With regard to laundering, slings should not be classified as linen, but as an accessory to a patient transfer lifter and therefore classified as a medical device. Slings should be cleaned and disinfected only in strict accordance with the manufacturers instructions.

Before washing the slings that have head support pockets always remove the plastic reinforcement inserts. Always refit the inserts before re-using the sling.

Mechanical pressure should be avoided during the washing and drying procedure e.g. rolling or pressing, as these can damage parts vital to the safe and comfortable operation of the sling.

Washing and drying temperatures must not exceed 80°C (176°F). Wash using normal detergents, do not iron. Also refer to Sling Instruction sheet MAX.01520.INT.

It is essential that the sling attachment cords, the slings, their straps and attachment clips are carefully inspected before each and every use. If the slings, cords or straps are frayed, or the clips damaged, the sling or attachment cord should be withdrawn from use immediately and replaced.

Lifter cleaning and care:-



Warning: It is recommended that patient lifting equipment and accessories are regularly cleaned and/or disinfected between each patient use if necessary, or daily as a minimum. If the lifter and/or equipment needs cleaning, or is suspected of being contaminated, follow the cleaning and/or disinfection procedures recommended below, before re-using the equipment.

For cleaning your lifter, equipment and accessories wipe down with a damp cloth using warm water to which a disinfectant/cleaner has been added e.g. “ARJO CLEAN” - disinfectant/cleaner or equivalent

- **Note:** “ARJO CLEAN” - disinfectant cleaner is available from ARJO. or their approved distributors.



Caution: Do not over wet areas of the product which could cause problems with electrical components or internal corrosion.

If a hot air dryer is used to dry the lifter or equipment, the temperature must not exceed 80°C (176°F)

Do not use petroleum based solvents or similar, since this may damage plastic parts.



Warning: For disinfection of contaminated lifters, equipment and accessories, use the preferred method of wiping the product completely with “hard surface disinfectant wipes” that are supplied impregnated with a 70% v/v solution of Isopropyl Alcohol.

- **Note:** A vigorous rubbing action is necessary when using the wipes to promote effective disinfection of the surfaces.



Warning: IMPORTANT: Cleaning and disinfection products must be used in accordance with the manufacturers instructions and suitable eye, hand and clothing protection must be worn at all times when handling disinfectants.

Care of your *Trixie Lift*

- **Note:** 70% v/v Isopropyl Alcohol wipes have been proved to be effective against MRSA and several other micro-organisms under light soiling conditions.

Additional checks to be carried out before each and every use

General Lifter Condition:- A general visual inspection of all external parts should be carried out, and all functions should be tested for correct operation, to ensure that no adverse damage has occurred during use.



Warning: If in any doubt about the correct functioning of the *Trixie Lift*, withdraw it from use and contact ARJO Service Department.



Warning: Carefully inspect all parts, in particular where there is personal contact with the patient's body, ensure that no cracks or sharp edges exist which could injure the patient's skin or become unhygienic.

Check that all external fittings are secure and that all screws and nuts are tight.



Warning: Ensure that all instruction labels are firmly attached and in good readable condition.

Ensure that the battery pack is always in a good state of charge.

Check that the hoist can be propelled in a normal manner, making sure that the castors are quite free in their movement, as clogging by hair and fluff can occur, also check that the tread of the castor is not damaged.



Warning: Ensure that the castors are firmly secured to the chassis.

Periodic Testing

For normal operation - raise and lower the jib using the control handset, this is to test for full and efficient movement.

Automatic Stop

With the jib well above its lowest position and the hoist positioned over an empty bed, use the handset control to lower the jib onto the bed. As the jib lowering is restricted, the motor will stop, release the control handset lower button after a second or two. Raise the jib using the control handset, this check is for the correct functioning of the automatic stop

Emergency Stop

Test the emergency stop facility by operating the control handset to lift or lower the support arms, and whilst operating, press in the emergency stop button. (See figs. 1 and 25). Powered movement should stop immediately.

Reset to normal function by pressing the green reset button. (See figs. 1 and 25).

Adjustable Width Chassis Function

Open and close the chassis legs to check for full and efficient movement.

Servicing Advice



Warning: ARJO recommend that the *Trixie Lift* and/or attachments are maintained at regular intervals, for details always refer to ARJO *Trixie Lift* Preventive Maintenance Schedule (ARJO Literature Part No. KTX06240.GB)

With regular use the following items are subject to wear:- Slings, batteries, straps and friction discs. These items must be regularly checked as described previously, and replaced as necessary.

Parts list and circuit diagrams are available from ARJO or their approved distributors on request.



Warning: Spare parts, if required are available from ARJO or their approved distributors.

Special tools are required for certain component replacement

Care of your *Trixie Lift*

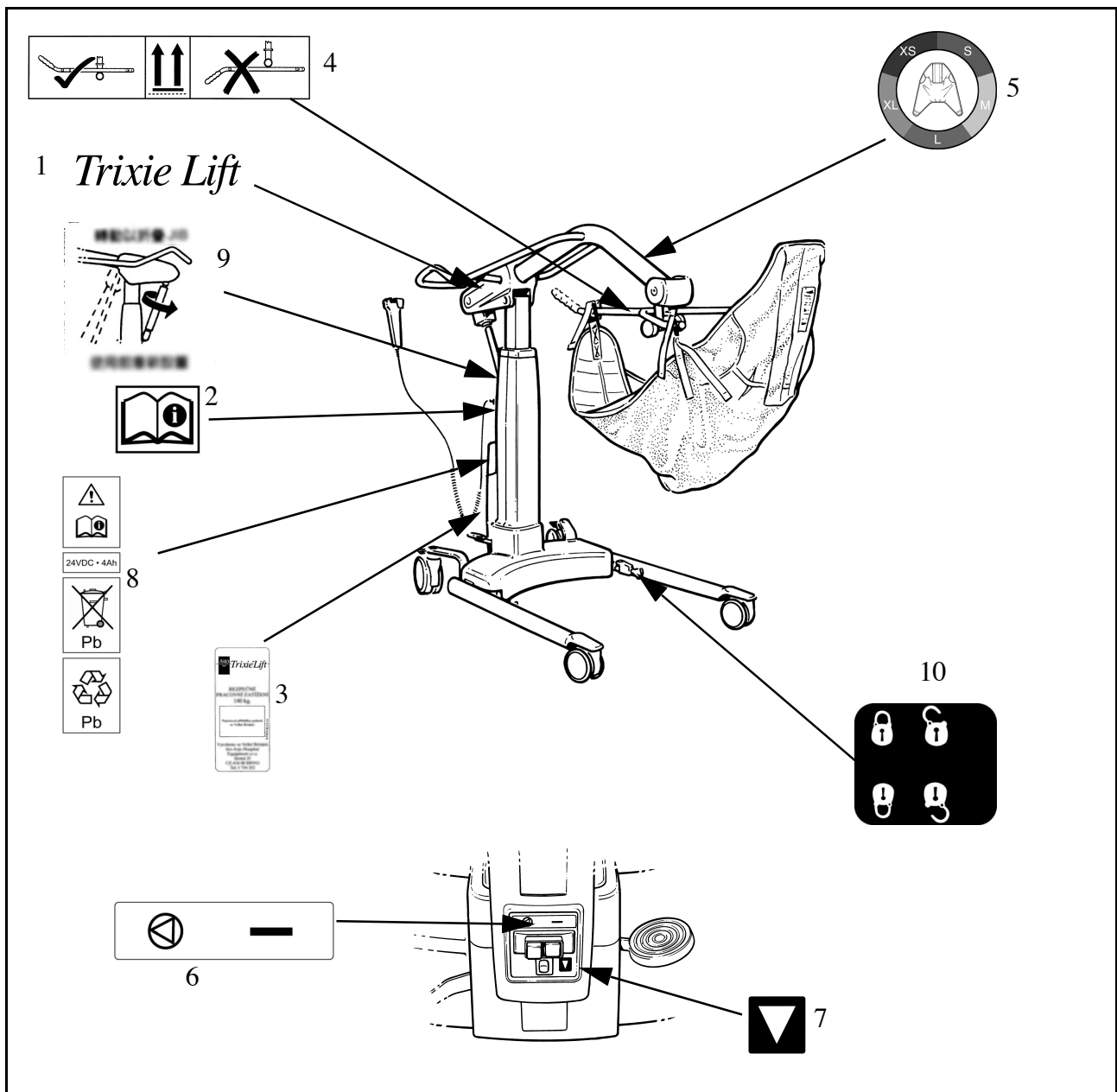
UK HOISTS ONLY: Important new legislation came into force on 5th December 1998, which has an impact on the schedule of service for your patient hoist(s), variable height baths and other raising and lowering equipment. The lifting Operations and Lifting Equipment Regulations (LOLER) 1998 and the Provision and Use of Work Equipment Regulations (PUWER 98) must be satisfied by the duty holder. A scheme of six monthly thorough examinations has been devised to comply with the law and details can be obtained from ARJO Service UK.



Warning: The simplest, safest and most effective way to maintain your product in good working order, is to have it methodically and professionally serviced by an ARJO approved engineer using ARJO approved spare parts.

For information on service and maintenance contracts, please contact your local ARJO distributor.

Labels



Key

- | | |
|--|--|
| 1. Product name "Trixie Lift" | 7. System failure lower override identification |
| 2. Attention - read operating instructions before use | 8. Battery label - Read operating instructions / rating / recycle instructions |
| 3. Safe working Load of lifter/address of manufacturer | 9. 'Operating' for folding leg model - option only |
| 4. Spreader bar orientation | 10. Leg lock warning - option only |
| 5. Sling size guide | |
| 6. Emergency stop/reset identification | |


Technical Specification

Component Weights

	kg	lbs
Trixie lift complete with battery	37.6	(82.9)
Battery charger	0.38	(0.83)
Battery	2.24	4.94

Electrical

Battery type and part number	(rechargeable sealed lead acid)KTA0102
Battery capacity	24V 2Ah
Lifter nominal voltage	24 V DC
Fuse-Overload	5A ~(thermal cutout) - resettable

Medical Equipment:- type  protection against electrical shock in accordance with IEC 601-1)

ARJO patient handling products meet the requirements of Electromagnetic Compatibility (EMC) as stated in clause 12.5 of the Medical Devices Directive 93/42/EEC



Although compliant with EMC requirements there is a remote chance that close proximity usage may affect over-sensitive electrical equipment

Conforms to UL STD 2601-1 and CSA C22.2 No 601.1-M90

Supply rating -Battery charger input 100V.AC.-240V.AC+/-10%
50/60Hz 60Watts. MAX. 1.2A

Battery Charger (plug in type) - part number..... KPA0101 -**

(Note: -** indicates relevent country code)

Battery charger - output voltage can meet the requirement of 30V 10%

Battery charger complies with class 2 of UL2601

Battery Charger Dimensions:	Length	Width	Depth
	140mm	80mm	44mm
	(5 1/2")	(3 1/8")	(1 3/4")

	Duty	Max	Max
	cycle	volts	amps
Lift actuator	10% - 6 min/hour	24	8.5

Environment

Lift Actuator -Degree of Protection	IP44
Air humidity/storage	80% @ 20°C (68°F)
Usage temperature range (ambient)	+5°C (41°F) to +35°C (95°F)
Optimum usage temperature (ambient)	+20°C (68°F) to +25°C (77°F)
Storage and transportation temperature (ambient)	-10°C (14°F) to +45°C (113°F)
Maximum sound Power Level	66.4dB(A) (dB re 1pW+/-3dB)

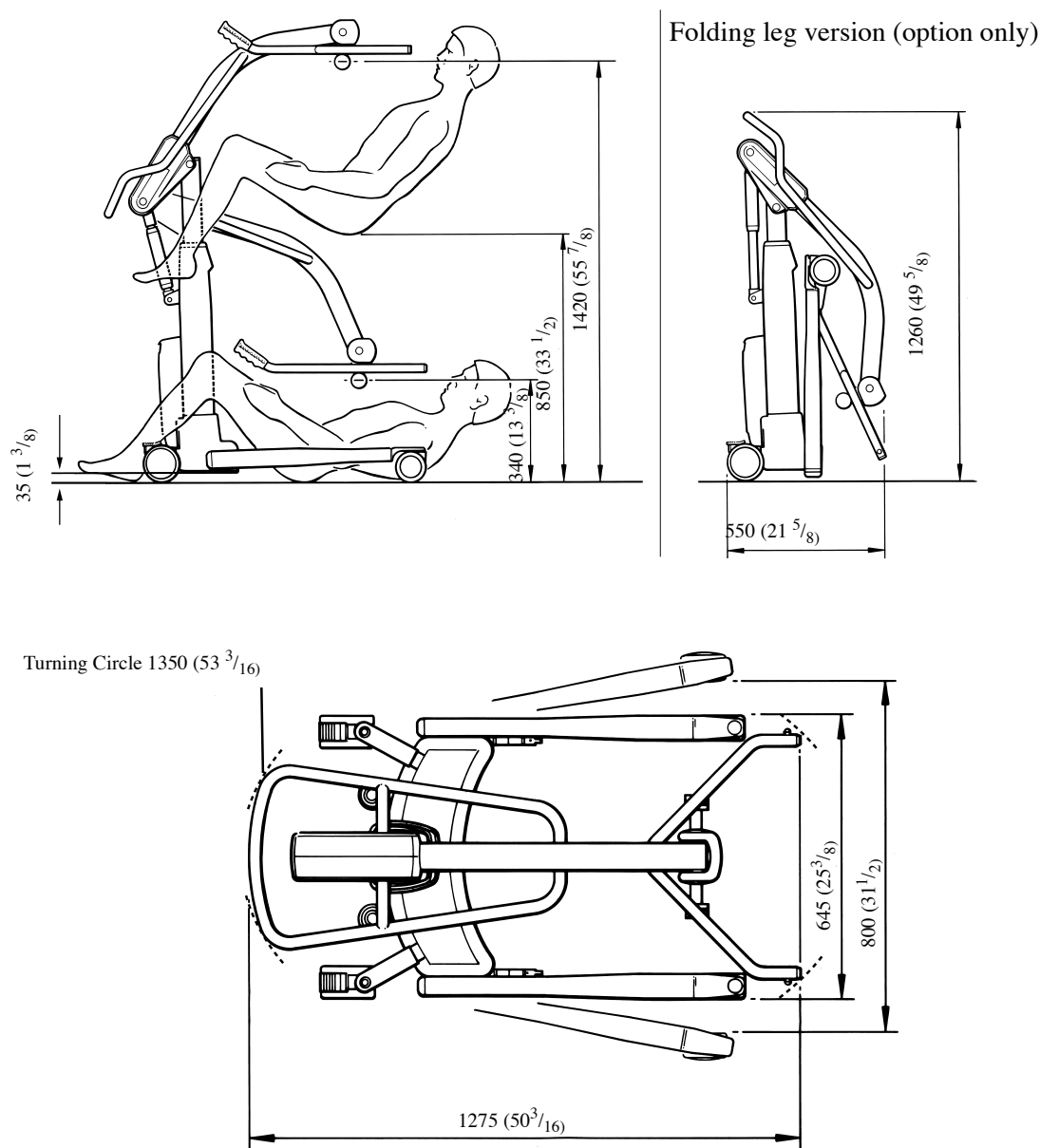
Technical Specification

Maximum Capacities of Trixie Lift

The Trixie Lift should not be loaded with a weight in excess of the maximum safe working load.

Trixie Lift	140Kg (308lbs)
All clip attachment slings except (XXL).....	190kg (420lbs)

Lifter Dimensions



Dimensions in millimetres (equivalent in inches).

Fig. 40

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